

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,043,465 B2
APPLICATION NO. : 09/876929
DATED : May 9, 2006
INVENTOR(S) : Patrick Pirim

Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

To the first page of the patent, in the Foreign Application Priority Data section, please add the following

-- Feb. 24, 2000 (FR) 00 02355 --.

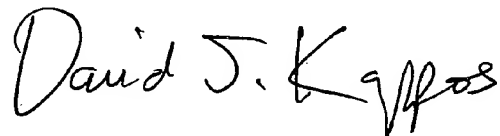
Column 2, lines 44-45, Column 27, line 15, and Column 29, line 33 replace "sizes of the associated frame" with

-- size of the associated frame --.

After the specification at Column 26, line 43, before the Claims, please add the attached Appendix A.

Signed and Sealed this

Twenty-third Day of November, 2010

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and 'K'.

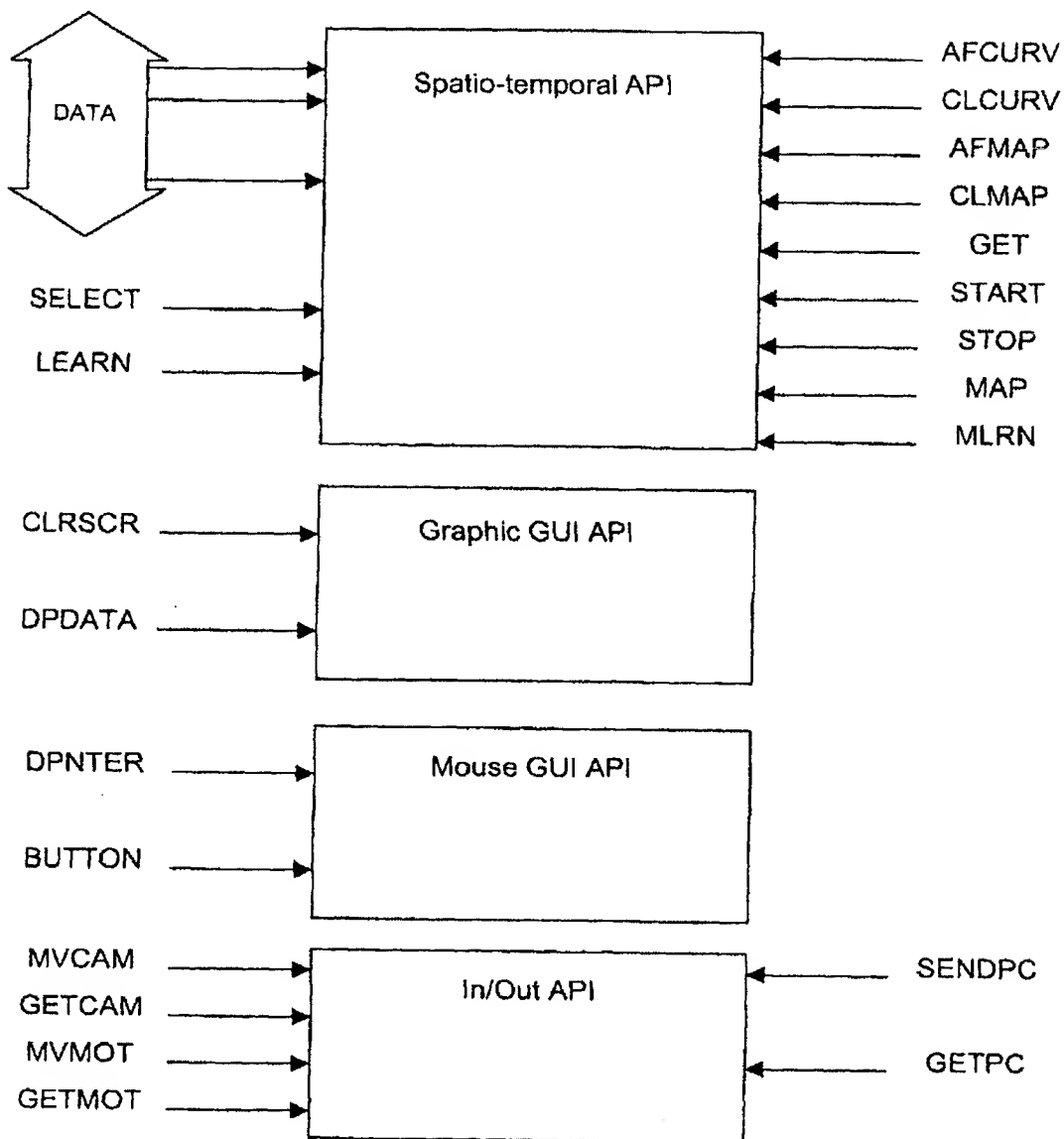
David J. Kappos
Director of the United States Patent and Trademark Office

APPENDIX A

API Specifications

4 sub division for GVPP :

- Spatio-temporal computation API
- Graphic GUI API
- Mouse GUI API
- Communication and input-output API



Spatio-temporal API Bloc

This group enables all instructions to run the generic spatio-temporal computations and to get the results.

Functions :

START :

Goal: Initialisation of one bloc for the classification.

Parameter : index bloc, MIN value, MAX value.

Prototype :

Bloc3 equ 03
MIN equ 10
MAX equ 100

START Bloc3 MIN MAX

Input - R0 : index bloc
R1 : MIN value
R2 : MAX value

Output -

STOP :

Goal : end of computation.

Parameter : index bloc.

Prototype :

Bloc3 equ 03

STOP Bloc3

Input - R0 : index bloc
Output -

SELECT :

Goal : Progammmation of input parameter bloc (lum, hue,motion, line orientation).

Parameter : Index bloc, type of input parameter.

Prototype :

Bloc3 equ 03
LUM equ 00

SELECT Bloc3 LUM

Input - R0 : Index bloc
R1 : Input parameter

Output-

GET :

Goal : Get the result computation of one parameter.

Parameter : Index bloc, Load result parameter.

Prototype :

Bloc3 equ 03
MIN equ 00
MAX equ 01
RMAX equ 02
POSRMX equ 03
POSMOY equ 04
NBPTS equ 05

.....

GET Bloc3 NBPTS

Input - R0 : Index bloc
 R1 : Index parameter
Output- R0 : result value of this parameter

LEARN :

Goal : Learn the association-context of a bloc .

Parameter : Index bloc.

Prototype :

Bloc3 equ 03

LEARN Bloc3

Input - R0 : Index bloc
Output-

MAP :

Goal : Put on the time coincidences fonction the result of previous learning.

Parameter : Index bloc,summ of product-terms.

Prototype :

Bloc3 equ 03

MAP Bloc3 0F3 1AB 007

Input - R0 : Index bloc
 R1 : First product terms
 R2 : Second product terms
 R3 : suite
Output-

MLRN :

Goal : Get the result of learning.

Parameter : Index Bloc.

Prototype :

MLRN			
Input -	R0	:	Index bloc
Output-	R0	:	MIN classification
	R1	:	MAX Classification
	R2	:	First main association (product terms)
	R3	:	Second association
	R4	:suite

AFCURV :

Goal : Histogram curve drowing of one bloc.

Parameter : Index Bloc.

Prototype :

Bloc3	equ	03
AFCURV Bloc3		
Input -	R0	: Index bloc
Output-		

CLCURV :

Goal : Clear curve of one bloc.

Parameter : Index Bloc.

Prototype :

Bloc3	equ	03
CLCURV Bloc3		
Input -	R0	: Index bloc
Output-		

AFMAP :

Goal : Learning Bloc drowing.

Parameter : Index Bloc.

Prototype :

Bloc3	equ	03
AFMAP Bloc3		
Input -	R0	: Index bloc
Output-		

CLMAP :

Goal : Clear the learning bloc drawing.

Parameter : Index Bloc.

Prototype :

Bloc3 equ 03

CLMAP Bloc3

Input - R0 : Index bloc

Output-

Graphic GUI API

CLRSCR :

Goal : Clear Screen.

Parameter : No.

Prototype :

CLRSCR

Input -

Output-

DPDATA :

Goal : Display ASCII code on screen.

Parameter : ASCII code, row position, column position.

Prototype :

DPDATA

Input - R0 : ASCII code
R1 : row position
R2 : column position

Output-

Mouse GUI API

DPNTER :

Goal : Mouve and display the pointer.

Parameter : row position, column position.

Prototype :

DPNTER

Input - R0 : row position
R1 : column position

Output-

BUTTON :

Goal : get the action of button.

Parameter : Button.

Prototype :

BUTTON

Input -

Output- R0 : new position of buttons

API E/S

MVCAM :

Goal : Move the camera.

Parameter : X Position, Y Position, Focus.

Prototype :

MVCAM

Input - R0 : X position

R1 : Y position

R2 : Focus

Output-

GETCAM :

Goal : Get the camera's parameters.

Parameter : No.

Prototype :

GETCAM

Input -

Output- R0 : X position

R1 : Y position

R2 : Focus

MVMOT :

Goal : Action motor.

Parameter : Sens+steps.

Prototype :

MVCAM

Input - R0 : Sens+steps

Output-

GETMOT :

Goal : Get the actual position of motor.
Parameter : No.

Prototype :

GETMOT
Input -
Output- R0 : position

SENDPC :

Goal : Send one information to the PC.
Parameter : information pointer.

Prototype :

SENDPC
Input - R0 : information pointer
Output-

GETPC :

Goal : Get an information from PC.
Parameter : No.

Prototype :

GETPC
Input -
Output- R0 : information